



North Lateral Pipeline (completed 2013)

RECEIVED
AUG 12 2013
DEPARTMENT OF ECOLOGY
EASTERN REGIONAL OFFICE

☒ *Portion of the identified existing water right*

☒ Yes ☐ No Does the Cost Share Recipient own all water rights pertinent to this project proposal?

APPLICANT/BUSINESS NAME Gardena Farms Irrigation District No. 13	PHONE NO. (509) 394-2331	FAX NO. ()
ADDRESS 539 White Rd.		
CITY Touchet	STATE WA	ZIP CODE 99360

2. How is Water to be Made Available for Trust from the Walla Walla River?

<input type="checkbox"/> Alteration in method of diversion	<input type="checkbox"/> Alteration in water use/ irrigated acreage
<input checked="" type="checkbox"/> Alteration in method of delivery/conveyance	<input type="checkbox"/> Alteration in method of water application
<input type="checkbox"/> Other, Explain:	

Project Summary:

See EXHIBIT A

3. Project Cost Share Information

a. Riggs Rd./Huesby-Bennington Pipeline (completed 2002)

LEASE LENGTH PROPOSAL (IN YEARS)	PERMANENT
PROPOSED QUANTITY OF SAVED WATER TO TRUST (CFS)	1.42 CFS
ESTIMATED COST OF PROJECT	\$236,415
COST SHARE AMOUNT PROVIDED BY ECOLOGY	\$38,000
COST SHARE AMOUNT PROVIDED BY BPA, NFWF and USFWS	\$198,415

b. South Lateral Pipeline (completed 2010)

LEASE LENGTH PROPOSAL (IN YEARS)	PERMANENT
PROPOSED QUANTITY OF SAVED WATER TO TRUST (CFS)	3.99 CFS
ESTIMATED COST OF PROJECT	\$2,157,789
COST SHARE AMOUNT PROVIDED BY ECOLOGY	\$494,626
COST SHARE AMOUNT PROVIDED BY BPA	\$1,663,163

c. Upper Ditch 2008 ft. Pipeline (completed 2012)

LEASE LENGTH PROPOSAL (IN YEARS)	PERMANENT
PROPOSED QUANTITY OF SAVED WATER TO TRUST (CFS) ¹	0.82 CFS
ESTIMATED COST OF PROJECT	\$1,205,262
COST SHARE AMOUNT PROVIDED BY ECOLOGY	\$764,603
COST SHARE AMOUNT PROVIDED BY BPA	\$440,659

d. North Lateral Pipeline (completed 2013)

LEASE LENGTH PROPOSAL (IN YEARS)	PERMANENT
PROPOSED QUANTITY OF SAVED WATER TO TRUST (CFS) ²	5.13 CFS
ESTIMATED COST OF PROJECT	\$3,239,866
COST SHARE AMOUNT PROVIDED BY ECOLOGY	\$1,678,366
COST SHARE AMOUNT PROVIDED BY BPA (\$500,000), Bu Rec. (\$991,500), GFID (\$70,000)	\$1,561,500

e. TOTALS FOR FOUR (4) GFID PIPELINE PROJECTS

PROPOSED TOTAL QUANTITY OF SAVED WATER TO TRUST (CFS)	11.36 CFS (9.00 INITIALLY) ¹
PERCENTAGE OF TOTAL WATER SAVINGS TO TRUST	100%
IS TRANSFER TO TRUST PERMANENT?	YES
COMBINED COST OF FOUR PROJECTS	\$6,839,332
COST SHARE AMOUNT PROVIDED BY DEPT. OF ECOLOGY	\$2,975,595
NUMBER OF ACRES SERVED BY FOUR PIPELINE PROJECTS	5,082
ECOLOGY COST PER ACRE	\$585.52
ECOLOGY COST PER CFS	\$261,936
ECOLOGY COST PER ACRE-FOOT	\$594.08

¹ Of the 11.36 cfs total savings, 2.36 cfs will be used for operational spill. At such time that piping of the upper GFID ditch is complete, this 2.36 cfs will be placed into Trust.

WATER RIGHT DESCRIPTION

4. Water Right Holder Information

If Water Right Holder is the Cost Share Recipient, please skip to number 5.

NAME (IF DIFFERENT FROM ABOVE)	PHONE NO. ()	FAX NO. ()
IS THE WATER RIGHT HOLDER AN IRRIGATION DISTRICT?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
IS THE PLACE OF USE WITHIN AN IRRIGATION DISTRICT?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
ADDRESS		
CITY	STATE	ZIP CODE

5. Water Right Information:

Please attach copies of any documentation that demonstrates consistent, historical use of water since the right was established.

WATER RIGHT OR CLAIM NUMBER WW River Adj. Cert. No. 406	RECORDED NAME(S) Walla Walla Irrigation Company
DO YOU OWN THE RIGHT? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF NO, PROVIDE OWNER(S) NAME and ADDRESS:	
HAS THE WATER BEEN PUT TO BENEFICIAL USE IN THE LAST FIVE (5) YEARS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO ARE WATER DIVERSIONS / WITHDRAWALS OF THIS WATER RIGHT METERED OR MEASURED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO ARE PUMP-POWER RECORDS AVAILABLE FOR THE LAST FIVE YEARS? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO ARE AERIAL PHOTOS OF THE PROJECT SITE AVAILABLE? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO ARE FSA CROP RECORDS AVAILABLE? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO ARE THERE ANY OTHER RIGHTS, CLAIMS, OR RELEVANT CHANGES ASSOCIATED WITH THE PROJECT AREA? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
IMPORTANT! PROVIDE INFORMATION OF THE EXTENT OF WATER USE FOR EACH OF THE LAST FIVE YEARS: SEE EXHIBITS B & C – EXTENT AND VALIDITY LETTER FROM DEPT. OF ECOLOGY/GFID DIVERSION QI DOCUMENTATION	

6. Project Water Information

NUMBER OF ESA OR SASSI LISTED SPECIES IN AFFECTED TRIBUTARY? Mid-Columbia Steelhead Trout and Bull Trout
MONTHS CRITICAL TO LISTED SPECIES? (PLEASE HIGHLIGHT OR CIRCLE) <div style="display: flex; justify-content: space-between; padding: 0 10px;"> January February March April May June July August September October November December </div>
MONTHS WHEN PROJECT WATER SAVINGS WILL INCREASE INSTREAM FLOW IN PROJECT TRIBUTARY? Circle any! <div style="display: flex; justify-content: space-between; padding: 0 10px;"> January February March April May June July August September October November December </div> <div style="display: flex; justify-content: space-between; padding: 0 10px;"> 11.36 cfs (9.00 cfs initially) 11.36 cfs (9.00 cfs initially) </div>
HISTORIC / BENEFICIAL USE QUANTITY OF THE WATER RIGHT? (Highest of the last 5 irrigation seasons; in instantaneous rate and annual quantity) CFS: 100 cfs (10/1 – 4/1); 93.33 cfs (4/1 – 7/1); 70.0 cfs (7/1 – 10/1) AF 35,000
TOTAL QUANTITY OF PROJECT WATER SAVINGS? CFS: 11.36 (9.00 CFS INITIALLY) AF 5,008.7 (3,968.2 INITIALLY)
WILL THE INSTANTANEOUS RATE SAVINGS VARY FROM MONTH TO MONTH THROUGH THE IRRIGATION SEASON? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO (Please list quantities by month)
<div style="display: flex; justify-content: space-between; padding: 0 10px;"> January February March April May June July August September October November December </div> <div style="display: flex; justify-content: space-between; padding: 0 10px;"> 11.36 cfs (9.00 cfs initially) 11.36 cfs (9.00 cfs initially) </div>

QUANTITY OF PROJECT WATER SAVINGS TO TRUST?**CFS: 11.36 (9.00 CFS INITIALLY)****AF: 5008.7¹ (3,968.2 INITIALLY)**¹ During 2001-2009 (post Settlement Agreement) GFID was diverting water an average of 222.3 days per year.**WILL THE INSTANTANEOUS RATE SAVINGS APPLIED TO THE TRUST VARY FROM MONTH TO MONTH THROUGH THE IRRIGATION SEASON?**x YES ☐ NO

(Please list quantities by month)

January	February	March	April	May	June	July	August	September	October	November	December
		11.36 cfs (9.00 cfs initially)							11.36 cfs (9.00 cfs initially)		

Please explain: Low flows together with senior downstream water rights prevent GFID 13 from diverting their water right between ~ mid-July to October 1, depending on the year. The same physical and legal water availability problems can prevent GFID from diverting their full water right in late spring (May – June) and in the early fall (October – November). Freeze up of the open ditch conveyance system prevents diversion between late December and the first of March, again depending on the year.

IS THE WATER RIGHT PART OF AN ADJUDICATED BASIN?x YES ☐ NO*Walla Walla River Adjudication Decree – Superior Court Cause 19075, issued September 12, 1928.***EXPLAIN HOW THE SENIORITY OF THE RIGHT(S) RELATES TO OTHER RIGHTS WITHIN THE PRIMARY REACH:**

The Gardena Farms Irrigation District No. 13 (GFID) water right, WW River Adj. Cert. No. 406, carried a priority date of 1892, Class 30. There are ~48 diversion stations, which include 2 ditch diversions, located within the primary reach below the GFID diversion. The water rights that authorize these diversions are a mix of Adjudicated water rights, both senior and junior to GFID, and state-issued water rights, all of which are junior to the GFID right. During summer low flow periods, the rights senior to GFID within the primary reach make calls for water, which collectively cause GFID to cease diversion of water from approximately mid-July to October 1 of each year.

EXPLAIN HOW THE SENIORITY OF THE RIGHT(S) RELATES TO OTHER RIGHTS ABOVE AND BELOW THE PRIMARY REACH:

ABOVE: There are 4 pumping stations on the mainstem WW River above the primary reach (GFID diversion to Stateline). The rights associated with these pumping stations are all junior to GFID, and GFID will call for regulation of these diversions when they are unable to fill their water right, generally in late spring and again when they begin diverting again in the early fall. There are also water rights junior to GFID on Yellowhawk Creek which may be regulated in favor of GFID during low flow periods.

BELOW: There are 6 pumping stations located below the Primary Reach. All of these rights are junior in priority to GFID.

7. Point(s) of Diversion/Withdrawal:**A. Existing POD**

SOURCE	NO.	¼	¼	SEC.	TWP.	RGE.	PARCEL #	WELL TAG #
Walla Walla River		SW	SW	3	6 N	35 E		

Please include copies of all water well reports involved with this proposal. Also, if you know the distances from the nearest section corner to the above point(s) of diversion/withdrawal, please include that information in Item No. 6 (remarks) or as an attachment.

B. Proposed POD - NO CHANGE IN POD PROPOSED

SOURCE	NO.	¼	¼	SEC.	TWP.	RGE.	PARCEL #	WELL TAG #
<i>No change proposed</i>								

8. Purpose of Use:

A. Existing Use of the Water Right

PURPOSE OF USE	GPM or CFS	ACRE-FT/YR	PERIOD OF USE
Irrigation of 7,000 acres	93.33	35,000 (total)	4/1 – 7/1
	70.00		7/1 – 10/1
	100.00		10/1 – 4/1

B. Proposed Use of the Water Right

PURPOSE OF USE	GPM or CFS	ACRE-FT/YR	PERIOD OF USE
Irrigation of 7,000 acres	84.33 (81.97 final) ¹	29,970.8 (total)	4/1 – 7/1
	61.00 (58.64 final)		7/1 – 10/1
	91.00 (88.64 final)		10/1 – 4/1
Trust Water – water saving from converting from open ditch to piped conveyance system	9.00 (11.36 total)	5029.2 (total)	4/1 – 7/1
	9.00 (11.36 total)		7/1 – 10/1
	9.00 (11.36 total)		10/1 – 4/1

¹ The initial Trust Right is 9.00 cfs, with the balance of 2.36 cfs of saved water being used for operation spill at the Pine Creek Spillway. Upon completion of piping of the remaining (upper) GFID canal, this 2.36 cfs will be placed into permanent Trust for instream flow purposes.

9. Place of Use:

A. Existing:

LEGAL DESCRIPTION OF LANDS WHERE WATER IS PRESENTLY USED:							
See authorized place of use under WW Adj. Cert. No. 406 (Attached as EXHIBIT D)							
¼	¼	SEC.	TWP.	RGE.	COUNTY	PARCEL #	# OF ACRES
					Walla Walla		7000
DO YOU OWN ALL THE LANDS IN THE EXISTING PLACE OF USE? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO – IF NO, PROVIDE OWNER(S) NAME: The members of the Board of Directors for Gardena Farms Irrigation District #13, who are the signatories to this application, are elected by and are acting on behalf of patrons of the irrigation district. Parcels located within the irrigation district boundary and their owner names are listed in EXHIBIT E . Note that not all the parcels listed in EXHIBIT E receive water under WW Adj. Cert. No. 406.							

B. Proposed:

IDENTIFY THE WATER BODY TO BE BENEFITED OR OTHER PLACE TO BE BENEFITED	
Irrigation:	No change in the existing place of use is being proposed through this application.
Trust Water:	The Walla Walla River from RM 36.9 to the mouth

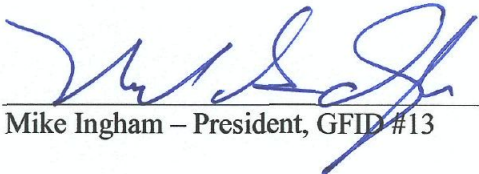
10. Remarks and Other Relevant Information:

A *Comprehensive Irrigation District Management Plan* (CIDMP) was drafted for GFID in 2004 but never released in final form. During the 2002-04 field testing effort seepage tests were conducted and estimates of water loss were generated. The CIDMP also provided estimates of tailwater discharge rates and of water loss due to evaporation. Photocopies of the pages of the draft CIDMP pages containing seepage, evaporation and tailwater discharge data used in this application are provided in **EXHIBIT F**. An electronic version of the entire draft CIDMP is available on CD from GFID upon request. **EXHIBIT G** is a summary of the rationale used in determining GFID water loss due to seepage, evaporation and tailwater discharge.

Through negotiations with Ecology, it was agreed that of the 11.36 cfs in saved water resulting from the combined projects, 2.36 cfs could be used as operation spill into Pine Creek Spillway until such time as the piping of the upper canal is complete and water for operational spill is no longer necessary. At that time, the 2.36 cfs will be placed into permanent Trust in the same manner as the rest of the saved water.

11. Signatures:

We, the elected Board of Directors of Gardena Farms Irrigation District No.13, certify that the information above is true and accurate to the best of our knowledge. We understand that in order to process this application, we are hereby granting staff from the Department of Ecology access to the above site(s) for inspection and monitoring purposes. If assisted in the preparation of the above application, we understand that all responsibility for the accuracy of the information rests with us. We also understand that we may rescind this application at any time prior to signing the Irrigation Efficiencies Grants Program's Cost Share Agreement with no other obligations or requirements.

By: 
Mike Ingham – President, GFID #13

08/08/2013
(Date)

By: 
Phil Cummins – Board Member, GFID #13

8/08/13
(Date)

By: 
Mark Wagoner – Board Member, GFID #13

8/8/13
(Date)

For further information contact:

Your local conservation district
or

Jon K. Culp, Program Manager
Washington State Conservation Commission
Irrigation Efficiencies Grants Program
(509) 826-7212,
jculp@scc.wa.gov